

USER NAME: USER\$Sam

TIME: 11:47:07 AM

DATE: 12/8/2015

02-Riverside Dr.dgn

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	PI 0010925		

VOID

WORK CONSISTS OF

1. REPLACE THE JOINTS AT BENT 2, ABUTMENT 1 AND 5. SEAL THE JOINTS AT BENT 2 AND ABUTMENT 5 WITH PREFORMED SILICONE JOINT SEAL.
2. RESEAL ALL CONSTRUCTION JOINTS.
3. SEAL DECK BY USING A TWO-PART POLYMER OVERLAY SYSTEM.
4. REPAIR CONCRETE SPALLS AT THE FOLLOWING LOCATIONS:

A. BENT 3, FORWARD FACE CAP: APPROXIMATELY 2 SQUARE FEET.

B. BENT 4, BOTTOM OF CAP: APPROXIMATELY 6 SQUARE FEET.

C. ABUTMENT 5: APPROXIMATELY 8 SQUARE FEET.

TRAFFIC DATA

TRAFFIC----- ADT = 19,350 (2015)

TRAFFIC----- ADT = 21,580 (2035)

TRAFFIC----- DHV = 1745 (2035)

DIRECTIONAL DIST----- 0.50/0.5 (N.B./S.B.)

% TRUCKS----- 8.5%

DESIGN SPEED----- 35 MPH

EXISTING UTILITIES

- 8" DIP WATER MAIN
- 4" PLASTIC GAS MAIN
- 3 FOC (GDOT ATMS)
- 9" X 3.5" S.T.D. ABANDONED DUCT

GENERAL NOTES

SPECIFICATIONS - GEORGIA STANDARD SPECIFICATIONS, 2013 EDITION, AS MODIFIED BY CONTRACT DOCUMENTS.

CHAMFER - CHAMFER ALL EXPOSED CONCRETE EDGES ¾" UNLESS OTHERWISE NOTED.

EXISTING BRIDGE PLANS - ORIGINAL BRIDGE PLANS MAY BE OBTAINED ON THE GEORGIA DOT WEBSITE AT:
HTTP://WWW.DOT.GA.GOV/BS/PROJECTS/PROJECTSEARCH

DIMENSIONS AND ELEVATIONS - VERIFY ALL DIMENSIONS AND ELEVATIONS IN THE FIELD PRIOR TO ORDERING MATERIALS OR BUILDING FORMS.

EPOXY RESIN ADHESIVE - APPLY EPOXY RESIN ADHESIVE TYPE II TO ALL HARDENED CONCRETE SURFACES JUST PRIOR TO POURING THE CONCRETE FOR THE NEXT STAGE OF CONSTRUCTION, SEE SECTION 886 OF THE GEORGIA DOT SPECIFICATIONS.

WELDING - ALL WELDING ON GEORGIA DOT PROJECTS SHALL BE PERFORMED BY CERTIFIED WELDERS THAT HAVE IN THEIR POSSESSION A CURRENT WELDING CERTIFICATION CARD ISSUED BY THE OFFICE OF MATERIALS AND TESTING. USE ONLY E70XX "EXCLUDING E7014 AND E7024" LOW HYDROGEN ELECTRODES FOR MANUAL SHIELDED METAL ARC WELDING.

SALVAGE MATERIAL - ND MATERIAL REMOVED FROM THE EXISTING STRUCTURE SHALL BE SALVAGED FOR USE BY THE GEORGIA DOT.

SEQUENCE OF OPERATION - STAGE CONSTRUCTION WILL BE REQUIRED IN ORDER TO MAINTAIN TRAFFIC THROUGHOUT THE PROJECT. SEE "SPECIAL PROVISION SECTION 150 - TRAFFIC CONTROL".

SPALL REPAIRS - REPAIR SPALLS IN ACCORDANCE WITH SECTION 521 OF THE SPECIAL PROVISIONS. SPALL REPAIR SHALL BE DIRECTED BY THE ENGINEER.

POLYMER OVERLAY - THE ENTIRE SURFACE AREA OF THE BRIDGE DECK SHALL BE OVERLAYED WITH A TWO-PART POLYMER BRIDGE DECK OVERLAY. THE SURFACE PREPARATION AND OVERLAY SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH SECTION 519 OF THE SPECIAL PROVISIONS.

EXISTING BRIDGE JOINTS - CLEAN EXISTING BRIDGE EXPANSION JOINTS OF ALL DIRT, REFUSE, AND EXISTING SEALANT AND SEAL JOINTS USING PREFORMED SILCONE SEAL AS PER SECTION 449.2.D OF THE GEORGIA DOT SPECIFICATIONS. INCLUDE THE COST OF MATERIALS AND INSTALLATION IN THE OVERALL BID SUBMITTED.

EXISTING BRIDGE JOINTS - CLEAN EXISTING BRIDGE CONSTRUCTION AND DUMMY JOINTS OF ALL DIRT, REFUSE AND EXISTING SEALANT AS PER SUB-SECTIONS 461.3.05.A OF THE GEORGIA DOT SPECIFICATIONS. SEAL JOINTS USING SILICONE SEALANT (TYPE B, C OR D) AS PER SUB-SECTIONS 461.3.05.C AND 833.2.06 OF THE GEORGIA DOT SPECIFICATIONS. INCLUDE THE COST OF MATERIALS AND INSTALLATION IN THE OVERALL BID SUBMITTED.

CONSTRUCTION SEQUENCE

ALL DECK REPAIR WORK TO BE COMPLETED UNDER THE TWO 56-HOUR BRIDGE CLOSURES. CONSTRUCTION SEQUENCE SHALL INCLUDE, AT MINIMUM, THE FOLLOWING:

- 1- SEAL THE DECK USING A TWO-POLYMER OVERLAY SYSTEM, ACCORDING TO GDOT SPECIAL PROVISIONS SECTION-519 "TWO -PART POLYMER BRIDGE DECK OVERLAY"
- 2- INSTALL PREFORMED SILICONE JOINTS ACCORDING TO GDOT SPECIAL PROVISIONS - SECTION-449 "BRIDGE DECK JOINT SEALS"

- SAW-CUT THE CONCRETE DECK, IF NECESSARY, TO PROVIDE ACCEPTABLE ATTACHMENT SURFACE FOR THE JOINT SEAL

- LIGHTLY SANDBLAST THE JOINT TO REMOVE ALL RESIDUE. PRIOR TO INSTALLATION ENSURE SURFACES ARE COMPLETELY DRY AND RECOMMENDATIONS OF THE MANUFACTURER HAVE BEEN COMPLETED

- CLEAN THE SEAL PRIOR TO INSTALLATION BY WIPING IT DOWN WITH A CLOTH SATURATED WITH DE-NATURAL ALCOHOL

- APPLY A ¾"THICK BEAD OF ADHESIVE ALONG BOTH SIDES OF THE JOINT AT THE DEPTH RECOMMENDED BY THE MANUFACTURER

- POSITION THE JOINT TO THE PROPER DEPTH AS RECOMMENDED BY THE MANUFACTURER

- APPLY A BEAD OF ADHESIVE ALONG THE TOP SIDE OF THE JOINT ON EACH SIDE AS RECOMMENDED BY THE MANUFACTURER

- TOOL THE ADHESIVE TWICE TO INSURE COMPLETE CONTACT WITH THE VERTICAL EDGE

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM	NOTES
449-1350	80.5	LF	PREFORMED SILICONE JOINT SEAL	BENTS 2 AND 5
461-2000	120.8	LF	RESEALING BRIDGE JOINTS	BENTS 1, 3 AND 4
461-2000	161.0	LF	RESEALING CONSTRUCTION JOINTS	
519-0515	794.9	SY	SURFACE PREPARATION	DECK
519-0530	794.9	SY	POLYMER OVERLAY	DECK
521-3000	16.0	SF	PATCHING CONCRETE BRIDGE	BENTS 3, 4 AND 5

RELEASED FOR
CONSTRUCTION
12/18/2015

PI NO. 0010925
EXISTING BRIDGE SERIAL NO. I21-0452-0
EXISTING BRIDGE ID NO. I21-09248M-000.60N

INFRASTRUCTURE
CONSULTING & ENGINEERING

GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE OF INNOVATIVE DELIVERY

GENERAL NOTES
CR209 (RIVERSIDE DR.) OVER I-285
FULTON COUNTY 0010925

SCALE: NO SCALE SEPTEMBER 2015

DRAWING NO. 35-002
BRIDGE SHEET 2 OF 4

DATE					
REVISIONS					
BY					

DESIGNED SNA	CHECKED PWG	REVIEWED
DRAWN SNA	LIAISON	APPROVED

1 INCH WHEN PRINTED FULL SIZE